

MCPO Exhibit 1.5
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Summary of Analysis of Phase I High Sensitivity Routing Factors and Estimated Cost

Route	Route Description	Analysis Corridor Width	Estimated Mean Cost (millions)	Effective Rank Using Average of Six Scores with Streams at Half Weight	Average of Six Scores with Streams at Half Weight	Effective Rank Using Simple Average of Six Scores	Simple Average of the Six Sensitivity Scores	Cemeteries (No.)	Church (No.)	Streams (No.)	Prime Farmland (Acres)	Combined Residence Impact Score	Residential Structures Type				Schools (No.)
													Categorical Disitance from Anticipated Alignment				
													< 75 feet	< 150 feet	< 300 feet	< 500 feet	
ATXI-P-P	ATXI Primary Pana to Mt Zion and ATXI Primary Mt Zion to Kansas	500	222.8	80	2.1	80	2.0	1	0	74	2,965.0	1.8	0	13	27	48	2
ATXI-A-P	ATXI Alternative Pana to Mt Zion and ATXI Primary Mt Zion to Kansas	500	233.8	100	2.3	100	2.2	1	0	79	2,930.3	2.0	0	14	22	37	3
ATXI-P-A	ATXI Primary Pana to Mt Zion and ATXI Alternative Mt Zion to Kansas	500	225.8	60	1.9	60	1.8	0	0	88	2,942.4	2.5	0	18	41	64	2
ATXI-A-A	ATXI Alternative Pana to Mt Zion and ATXI Alternative Mt Zion to Kansas	500	236.8	90	2.2	100	2.2	0	0	93	2,907.7	2.5	0	19	36	53	3
MCPO-P-MZK	ATXI Primary Pana to Mt Zion and MCPO Mt Zion to Kansas	500	224.9	51	1.8	60	1.8	0	0	100	2,832.7	1.5	0	2	17	33	2
MCPO-A-MZK	ATXI Alternative Pana to Mt Zion and MCPO Mt Zion to Kansas	500	236.0	60	1.9	80	2.0	0	0	105	2,798.0	1.0	0	3	12	22	3
MCPO-P-PK	ATXI Primary Pana to Mt Zion and MCPO Pana to Kansas	500	241.9	80	2.1	100	2.2	1	0	114	2,870.4	1.3	0	4	15	37	0
MCPO-A-PK	ATXI Alternative Pana to Mt Zion and MCPO Pana to Kansas	500	252.9	60	1.9	80	2.0	1	0	119	2,835.7	1.0	0	5	10	26	1
MCPO-PK	MCPO Pana to Kansas	500	167.6	1	1.4	1	1.3	1	0	86	1,810.9	1.0	0	3	4	17	0
Minimum			167.6					0.0	0.0	74	1,810.9		0.0	2.0	4.0	17.0	0.0
Maximum			252.9					1.0	0.0	119	2,965.0		0.0	19.0	41.0	64.0	3.0
Breakpoint between Relatively Superior to Relatively Average Performance			196.0					0.3	0.0	89	2,195.6		0.0	7.7	16.3	32.7	1.0
Breakpoint between Relatively Average to Relatively Inferior Performance			224.5					0.7	0.0	104	2,580.3		0.0	13.3	28.7	48.3	2.0

Scoring Key:
1.0 = In Relatively Superior Performance Band
2.0 = In Relatively Average Performance Band
3.0 = In Relatively Inferior Performance Band